

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060716\
 Data File : BM005702.D
 Acq On : 07 Jun 2016 21:02
 Operator : UM/SJ
 Sample : H3411-22
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XS0

Quant Time: Jun 08 01:26:37 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 08 01:24:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	181139	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	874920	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	486867	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	998754	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	695977	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	657678	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.20	96	3654	0.85	ng/uL	0.00
3) Phenol-d5	6.93	99	188539	11.84	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	120288	12.41	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	167922	12.78	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	128508	10.20	ng/ul	0.00
8) Nitrobenzene-d5	8.91	128	84460	12.57	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	91308	12.70	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	168878	13.22	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	132955	8.76	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	518810	13.86	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	671961	13.80	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	38143	7.12	ng/ul	0.00
21) Fluorene-d10	15.39	176	461822	14.37	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	28820	6.13	ng/ul	0.00
26) Anthracene-d10	17.24	188	660530	13.93	ng/ul	0.00
30) Pyrene-d10	19.54	212	583603	16.68	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	410837	13.57	ng/ul	0.00

Target Compounds

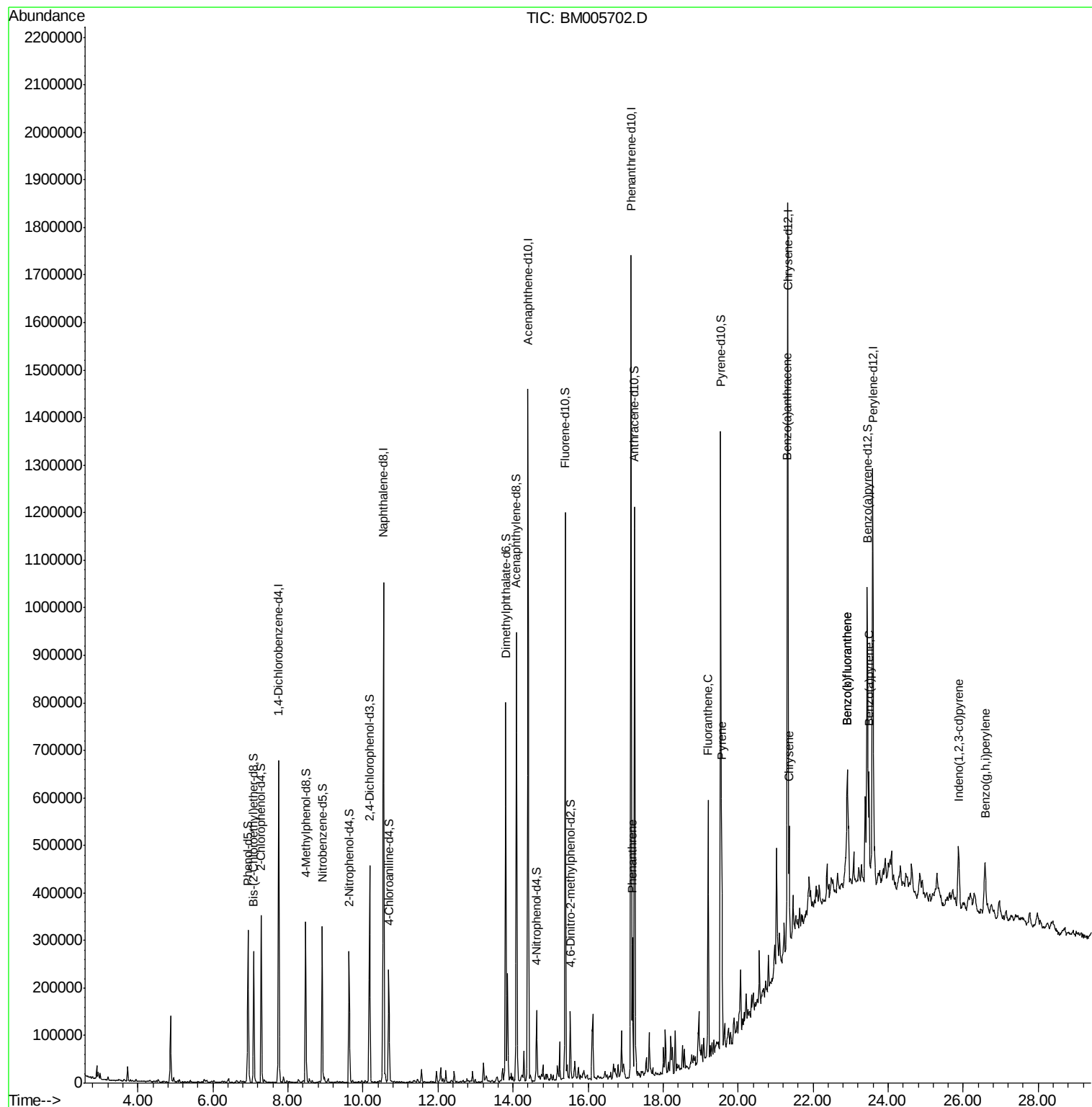
						Qvalue
25) Phenanthrene	17.19	178	165871	3.01	ng/ul	98
28) Fluoranthene	19.20	202	315313	5.60	ng/ul	99
31) Pyrene	19.57	202	283553	6.46	ng/ul	98
32) Benzo(a)anthracene	21.31	228	138209	3.39	ng/ul	94
33) Chrysene	21.36	228	139851	3.63	ng/ul	98
35) Benzo(b)fluoranthene	22.91	252	217550	5.49	ng/ul#	96
36) Benzo(k)fluoranthene	22.91	252	217550	5.85	ng/ul#	95
38) Benzo(a)pyrene	23.49	252	144811	3.79	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	25.88	276	117821	2.61	ng/ul#	91
41) Benzo(g,h,i)perylene	26.59	276	133209	3.52	ng/ul#	94

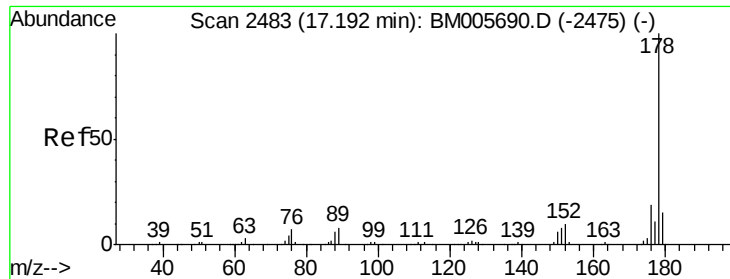
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.01 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.01 min

Lab File: BM005702.D

Acq: 07 Jun 2016 21:02

Instrument :

BNA_M

ClientSampleId :

D9XS0

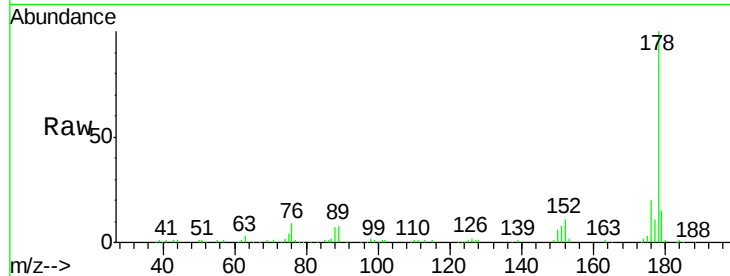
Tgt Ion:178 Resp: 165871

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

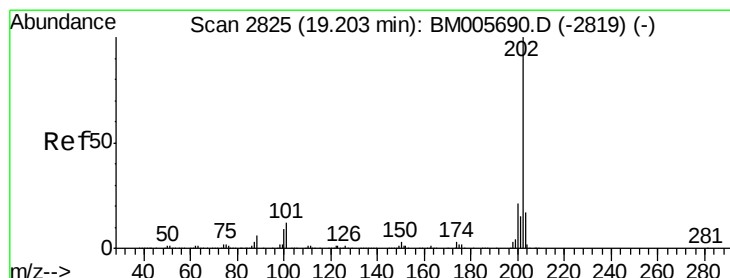
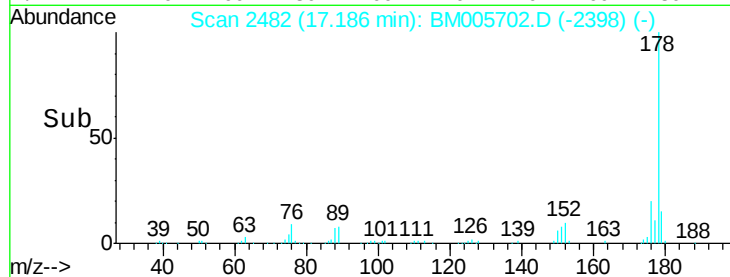
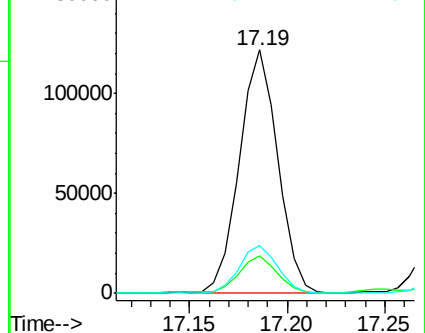
176 19.6 14.8 22.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#28

Fluoranthene

Concen: 5.60 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM005702.D

Acq: 07 Jun 2016 21:02

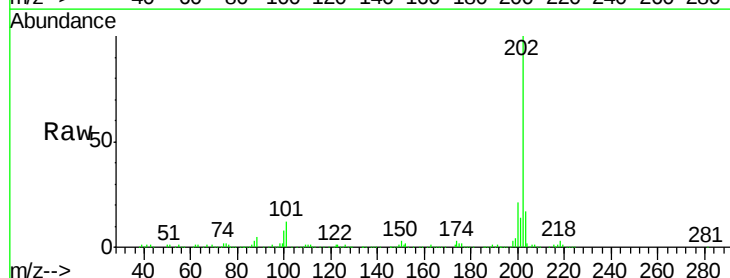
Tgt Ion:202 Resp: 315313

Ion Ratio Lower Upper

202 100

101 11.5 8.9 13.3

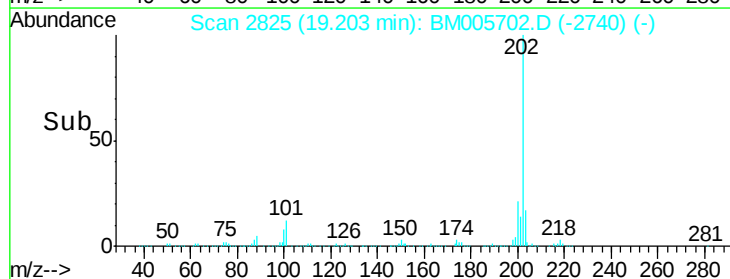
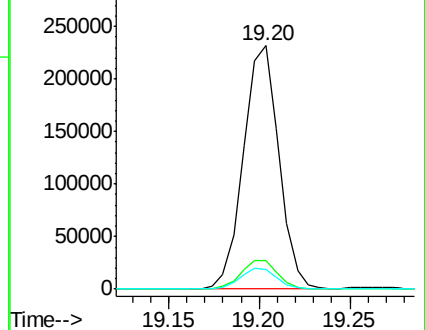
100 8.2 7.0 10.4

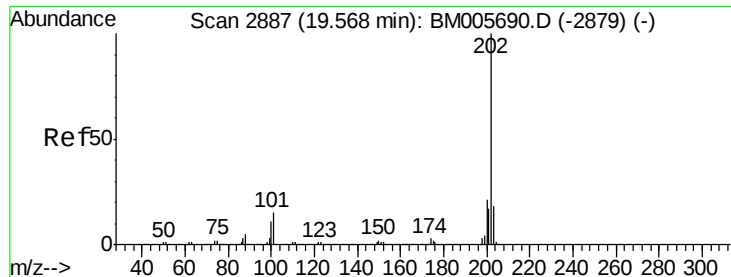


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

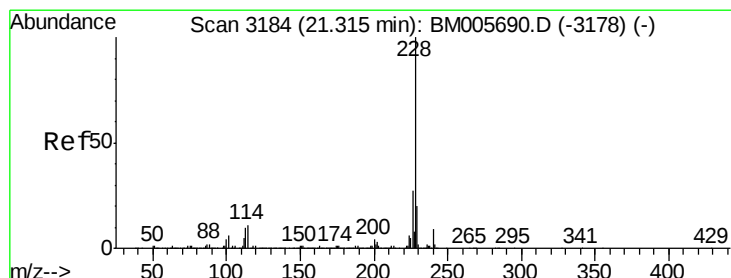
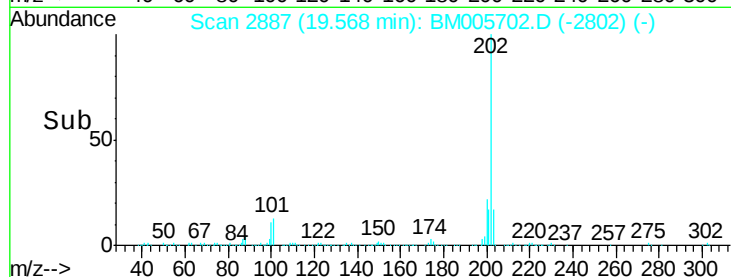
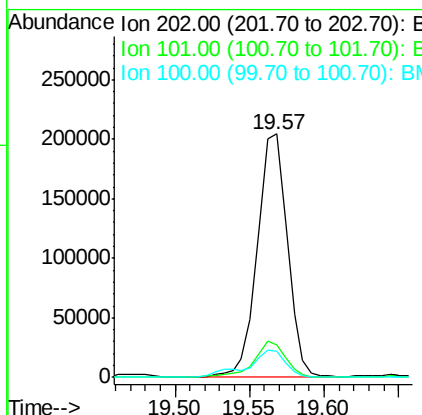
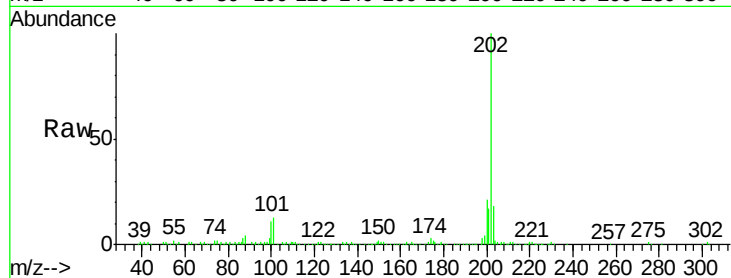




#31
 Pyrene
 Concen: 6.46 ng/ul
 RT: 19.57 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: BM005702.D
 Acq: 07 Jun 2016 21:02

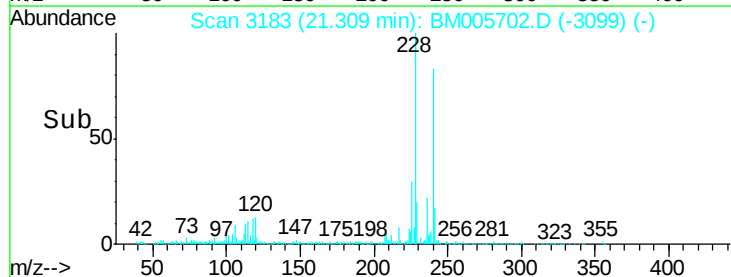
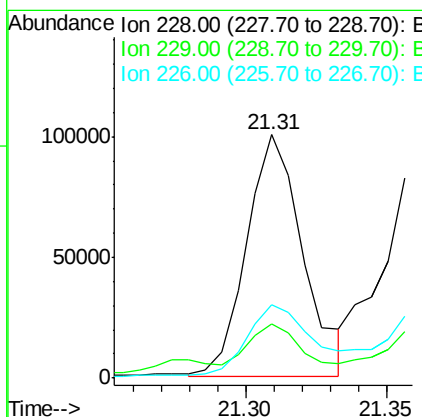
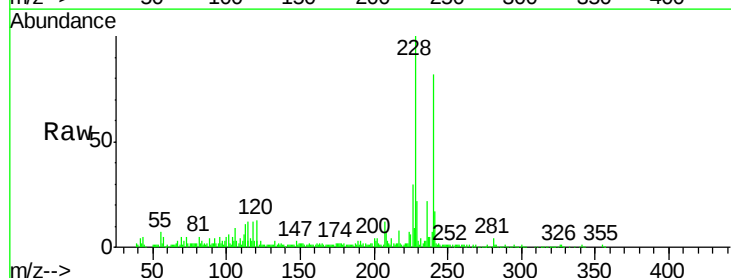
Instrument :
 BNA_M
 ClientSampleId :
 D9XS0

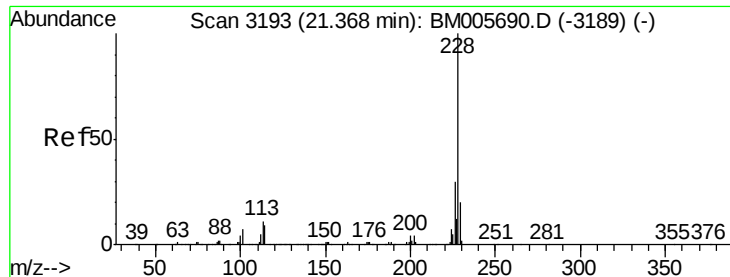
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	9.8	14.8
100	10.5	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 3.39 ng/ul
 RT: 21.31 min Scan# 3183
 Delta R.T. -0.01 min
 Lab File: BM005702.D
 Acq: 07 Jun 2016 21:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.1	16.6	25.0
226	30.3	21.0	31.4





#33

Chrysene

Concen: 3.63 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. -0.01 min

Lab File: BM005702.D

Acq: 07 Jun 2016 21:02

Instrument :

BNA_M

ClientSampleId :

D9XS0

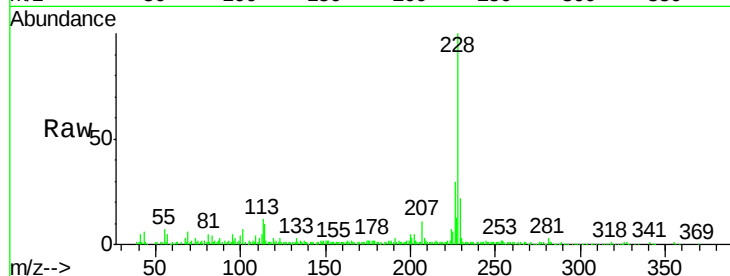
Tgt Ion:228 Resp: 139851

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

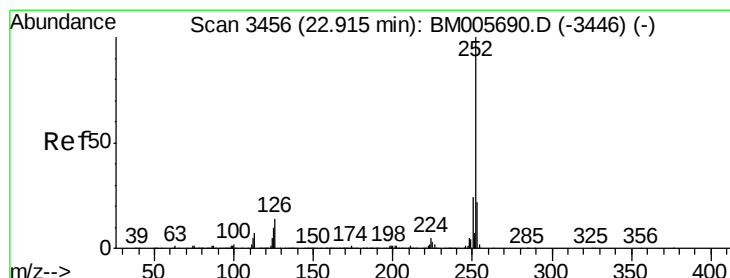
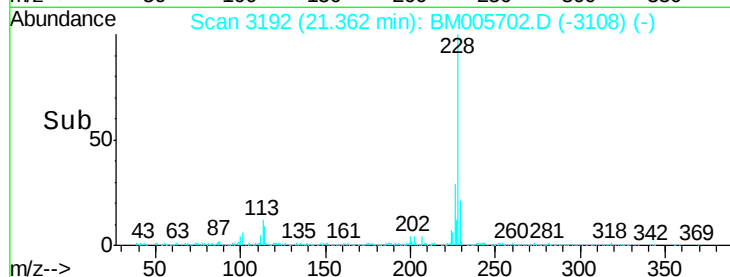
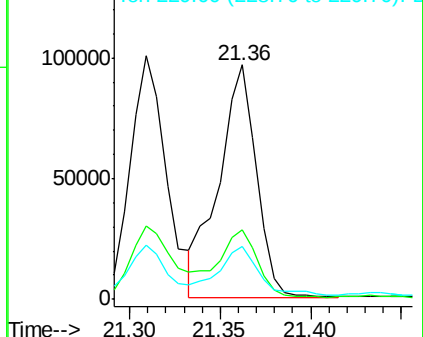
229 22.3 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#35

Benzo(b)fluoranthene

Concen: 5.49 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM005702.D

Acq: 07 Jun 2016 21:02

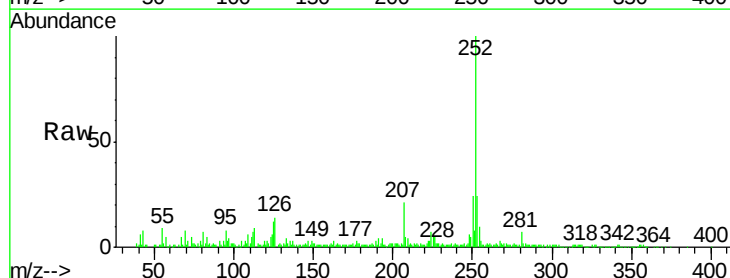
Tgt Ion:252 Resp: 217550

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

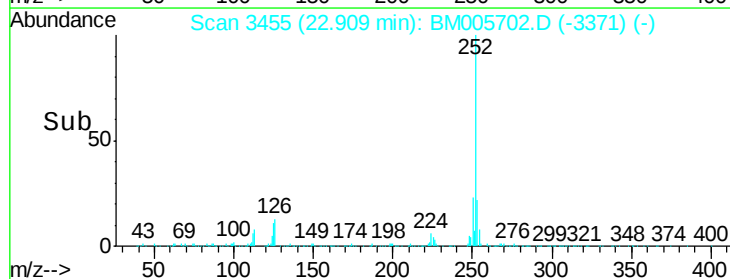
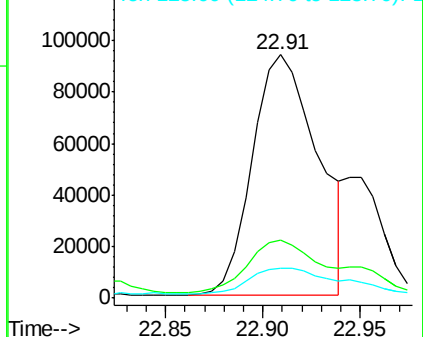
125 12.5 7.6 11.4#

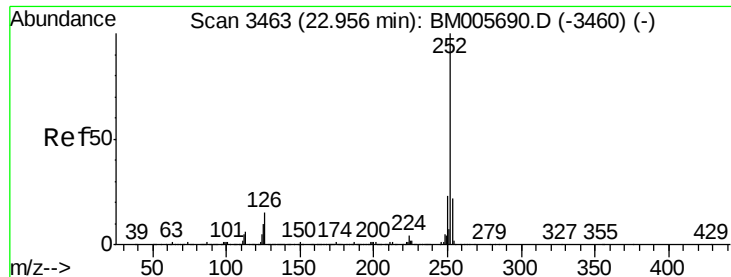


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 5.85 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.05 min

Lab File: BM005702.D

Acq: 07 Jun 2016 21:02

Instrument :

BNA_M

ClientSampleId :

D9XS0

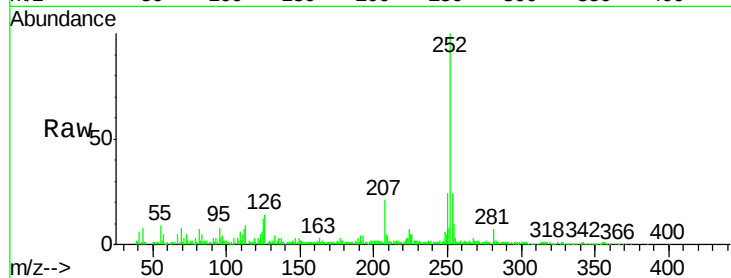
Tgt Ion:252 Resp: 217550

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

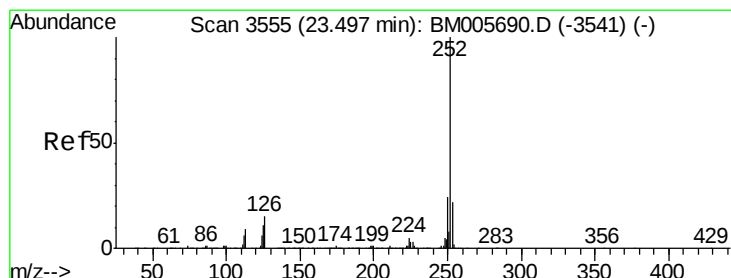
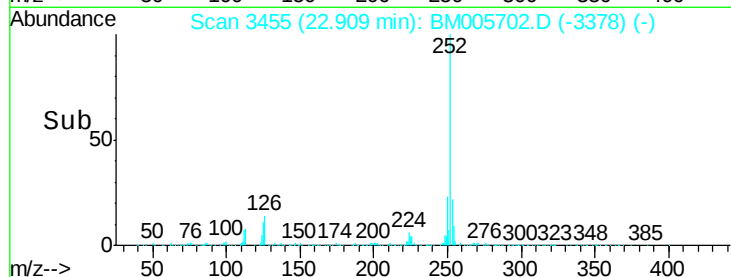
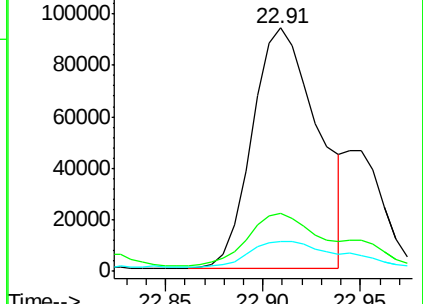
125 12.5 7.7 11.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Benzo(a)pyrene

Concen: 3.79 ng/ul

RT: 23.49 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BM005702.D

Acq: 07 Jun 2016 21:02

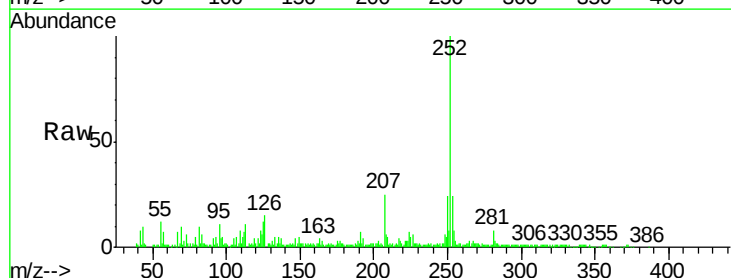
Tgt Ion:252 Resp: 144811

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

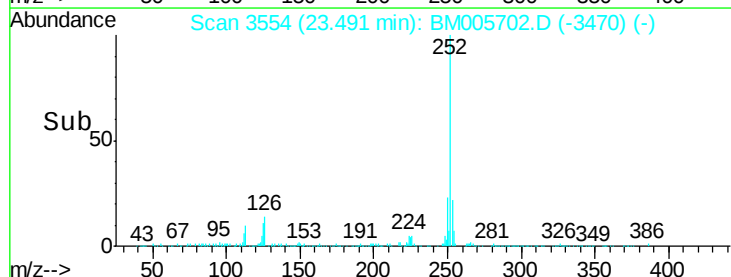
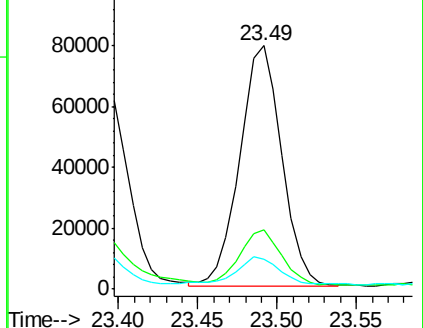
125 12.4 8.2 12.2#

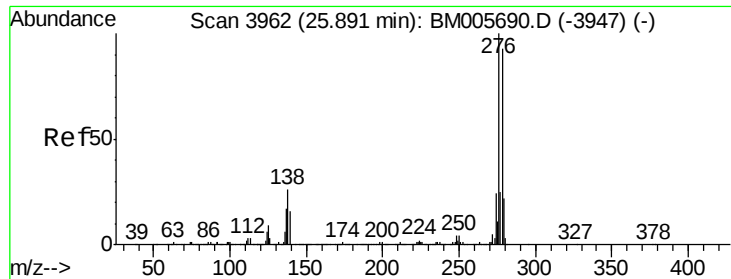


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.61 ng/ul

RT: 25.88 min Scan# 3960

Delta R.T. -0.01 min

Lab File: BM005702.D

Acq: 07 Jun 2016 21:02

Instrument :

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ClientSampleId :

D9XS0

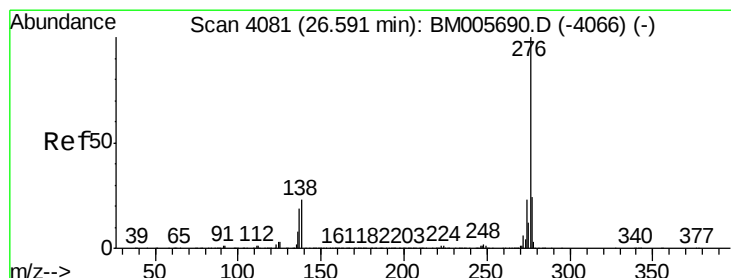
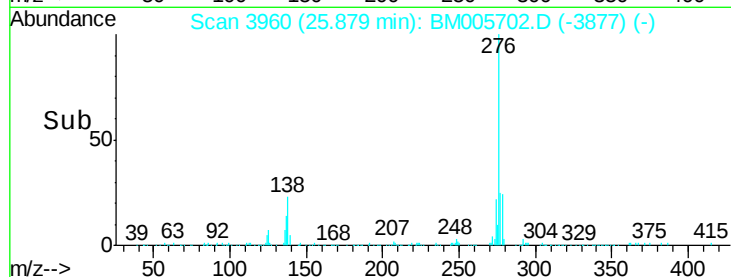
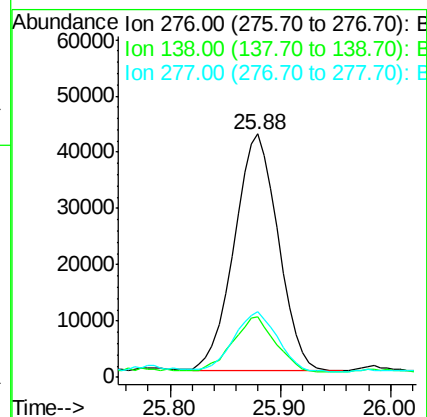
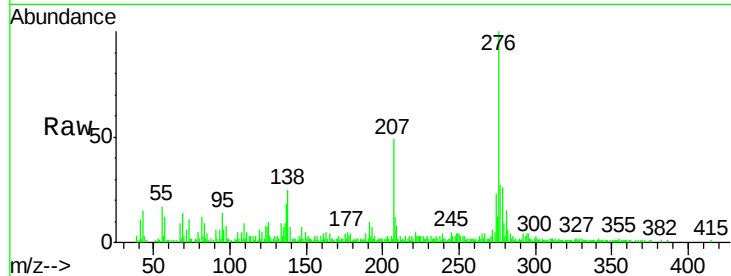
Tgt Ion:276 Resp: 117821

Ion Ratio Lower Upper

276 100

138 24.9 15.8 23.6#

277 27.2 19.0 28.6



#41

Benzo(g,h,i)perylene

Concen: 3.52 ng/ul

RT: 26.59 min Scan# 4080

Delta R.T. -0.01 min

Lab File: BM005702.D

Acq: 07 Jun 2016 21:02

Tgt Ion:276 Resp: 133209

Ion Ratio Lower Upper

276 100

138 24.1 13.9 20.9#

277 24.8 19.8 29.6

